



SEQUENCE LISTING

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<120> Improved Method of Purifying TFPI and TFPI Analogs

<130> 012441.00050

<140> US 10/753,078

<141> 2004-01-08

<150> US 60/494,546

<151> 2003-08-13

<150> US 60/509,277

<151> 2003-10-08

<150> US 60/512,199

<151> 2003-10-20

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 276

<212> PRT

<213> Homo sapiens

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Pro	Pro	Leu	Lys	Leu	Met	His	Ser	Phe	Cys	Ala	Phe	Lys	Ala	Asp	Asp
			20					25					30		
Gly	Pro	Cys	Lys	Ala	Ile	Met	Lys	Arg	Phe	Phe	Phe	Asn	Ile	Phe	Thr
			35				40					45			
Arg	Gln	Cys	Glu	Glu	Phe	Ile	Tyr	Gly	Gly	Cys	Glu	Gly	Asn	Gln	Asn
	50					55					60				
Arg	Phe	Glu	Ser	Leu	Glu	Glu	Cys	Lys	Lys	Met	Cys	Thr	Arg	Asp	Asn
65					70					75				80	
Ala	Asn	Arg	Ile	Ile	Lys	Thr	Thr	Leu	Gln	Gln	Glu	Lys	Pro	Asp	Phe
				85					90					95	
Cys	Phe	Leu	Glu	Glu	Asp	Pro	Gly	Ile	Cys	Arg	Gly	Tyr	Ile	Thr	Arg
			100					105					110		
Tyr	Phe	Tyr	Asn	Asn	Gln	Thr	Lys	Gln	Cys	Glu	Arg	Phe	Lys	Tyr	Gly
			115				120					125			
Gly	Cys	Leu	Gly	Asn	Met	Asn	Asn	Phe	Glu	Thr	Leu	Glu	Glu	Cys	Lys
	130					135						140			

Asn	Ile	Cys	Glu	Asp	Gly	Pro	Asn	Gly	Phe	Gln	Val	Asp	Asn	Tyr	Gly
145					150					155					160
Thr	Gln	Leu	Asn	Ala	Val	Asn	Asn	Ser	Leu	Thr	Pro	Gln	Ser	Thr	Lys
				165					170					175	
Val	Pro	Ser	Leu	Phe	Glu	Phe	His	Gly	Pro	Ser	Trp	Cys	Leu	Thr	Pro
			180					185					190		
Ala	Asp	Arg	Gly	Leu	Cys	Arg	Ala	Asn	Glu	Asn	Arg	Phe	Tyr	Tyr	Asn
	195					200					205				
Ser	Val	Ile	Gly	Lys	Cys	Arg	Pro	Phe	Lys	Tyr	Ser	Gly	Cys	Gly	Gly
	210					215					220				
Asn	Glu	Asn	Asn	Phe	Thr	Ser	Lys	Gln	Glu	Cys	Leu	Arg	Ala	Cys	Lys
225					230					235					240
Lys	Gly	Phe	Ile	Gln	Arg	Ile	Ser	Lys	Gly	Gly	Leu	Ile	Lys	Thr	Lys
				245					250					255	
Arg	Lys	Arg	Lys	Lys	Gln	Arg	Val	Lys	Ile	Ala	Tyr	Glu	Glu	Ile	Phe
			260					265					270		
Val	Lys	Asn	Met												
			275												

<210> 2
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 <212> PRT
 <213> Homo sapiens

<400> 2
 Asp Glu Glu His Thr Ile Ile Thr
 1 5

<210> 3
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 <213> Homo sapiens

<400> 3
 Glu Glu Ile Phe Val Lys Asn Met
 1 5

<210> 4
 <211> 87
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Glu	Phe	His	Gly	Pro	Ser	Trp	Cys	Leu	Thr	Pro	Ala	Asp	Arg	Gly	Leu
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Cys	Arg	Ala	Asn	Glu	Asn	Arg	Phe	Tyr	Tyr	Asn	Ser	Val	Ile	Gly	Lys
			20					25					30		
Cys	Arg	Pro	Phe	Lys	Tyr	Ser	Gly	Cys	Gly	Gly	Asn	Glu	Asn	Asn	Phe
		35					40				45				
Thr	Ser	Lys	Gln	Glu	Cys	Leu	Arg	Ala	Cys	Lys	Lys	Gly	Phe	Ile	Gln
	50					55					60				
Arg	Ile	Ser	Lys	Gly	Gly	Leu	Ile	Lys	Thr	Lys	Arg	Lys	Arg	Lys	Lys
65					70					75					80
Gln	Arg	Val	Lys	Ile	Ala	Tyr									
					85										

<210> 5
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 <213> Homo sapiens

<400> 5
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 1 5 10 15
 Cys Arg Ala Asn Glu Asn Arg Phe Tyr Tyr Asn Ser Val Ile Gly Lys
 20 25 30
 Cys Arg Pro Phe Lys Tyr Ser Gly Cys Gly Gly Asn Glu Asn Asn Phe
 35 40 45
 Thr Ser Lys Gln Glu Cys Leu Arg Ala Cys Lys Lys Gly Phe Ile Gln
 50 55 60
 Arg Ile Ser Lys Gly Gly Leu Ile Lys Thr Lys Arg Lys Arg Lys Lys
 65 70 75 80
 Gln Arg Val Lys Ile Ala Tyr
 85

<210> 6
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 <213> Homo sapiens

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 Asp Asn Tyr Gly Thr Gln Leu Asn Ala Val Asn Asn Ser Leu Thr Pro
 1 5 10 15
 Gln Ser Thr Lys Val Pro Ser Leu Phe
 20 25

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 <211> 78
 <212> PRT
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<400> 7
 Asp Asn Ala Asn Arg Ile Ile Lys Thr Thr Leu Gln Gln Glu Lys Pro
 1 5 10 15
 Asp Phe Cys Phe Leu Glu Glu Asp Pro Gly Ile Cys Arg Gly Tyr Ile
 20 25 30
 Thr Arg Tyr Phe Tyr Asn Asn Gln Thr Lys Gln Cys Glu Arg Phe Lys
 35 40 45
 Tyr Gly Gly Cys Leu Gly Asn Met Asn Asn Phe Glu Thr Leu Glu Glu
 50 55 60
 Cys Lys Asn Ile Cys Glu Asp Gly Pro Asn Gly Phe Gln Val
 65 70 75

<210> 8
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 8
 Asp Thr Glu Leu Pro Pro Leu Lys Leu Met His Ser Phe Cys Ala Phe
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 Lys Ala Asp Asp Gly Pro Cys Lys Ala Ile Met Lys Arg Phe Phe Phe
 20 25 30
 Asn Ile Phe Thr Arg Gln Cys Glu Phe Ile Tyr Gly Gly Cys Glu
 35 40 45
 Gly Asn Gln Asn Arg Phe Glu Ser Leu Glu Glu Cys Lys Lys Met Cys
 50 55 60
 Thr Arg
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<210> 9
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 <212> PRT
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<400> 9
 Arg Asp Asn Ala Asn Arg Ile
 1 5

<210> 10
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<400> 10
 Lys Gln Cys Glu Arg Phe
 1 5

<210> 11
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<400> 11
 Lys Met Cys Thr Arg Asp
 1 5

<210> 12
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<400> 12
 Lys Ala Ile Met Lys Arg
 1 5

<210> 13
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<400> 13
Lys Gln Glu Cys Leu Arg Ala
1 5

<210> 14
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<400> 14
Arg Gly Tyr Ile Thr Arg Tyr
1 5

<210> 15
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<400> 15
Lys Gly Gly Leu Ile Lys Thr
1 5

<210> 16
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<400> 16
Lys Cys Arg Pro Phe Lys Tyr
1 5

<210> 17
<211> 16
<212> PRT
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<400> 17
Lys Tyr Ser Gly Cys Gly Gly Asn Glu Asn Asn Phe Thr Ser Lys Gln
1 5 10 15

<210> 18
<211> 7
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<400> 18
Lys Gly Phe Ile Gln Arg Ile
1 5

<210> 19
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<400> 19
Lys Lys Gly Phe Ile Gln Arg Ile
1 5

<210> 20
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<212> PRT
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<400> 20
Arg Tyr Phe Tyr Asn Asn Gln Thr Lys Gln
1 5 10

<210> 21
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<400> 21
Lys Phe Glu Ser Leu Glu Glu Cys Lys Lys Met
1 5 10

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<400> 22
Arg Phe Glu Ser Leu Glu Glu Cys Lys Lys
1 5 10

<210> 23
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<400> 23
Arg Gln Cys Glu Glu Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn
1 5 10 15
Arg Phe

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<400> 24
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1 5 10

<210> 25
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<400> 25
 Lys Leu Met His Ser Phe Cys Ala Phe Lys Ala
 1 5 10

<210> 26
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<400> 26
 Lys Ile Ala Tyr Glu Glu Ile Phe Val Lys Asn
 1 5 10

<210> 27
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 <212> PRT
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<400> 27
 Lys Asn Ile Cys Glu Asp Gly Pro Asn Gly Phe Gln Val Asp Asn Tyr
 1 5 10 15
 Gly Thr Gln Leu Asn Ala Val Asn Asn Ser Leu Thr Pro Gln Ser Thr
 20 25 30
 Lys Val

<210> 28
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<400> 28
 Lys Tyr Gly Gly Cys Leu Gly Asn Met Asn Asn Phe Glu Thr Leu Glu
 1 5 10 15
 Glu Cys Lys Asn
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<210> 29
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<400> 29
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 1 5 10 15
 Leu Pro Pro Leu Lys Leu
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<210> 30
 <211> 23
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<400> 30
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 1 5 10 15
 Asp Pro Gly Ile Cys Arg Gly
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 <212> PRT
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<400> 31
 Lys Tyr Gly Gly Cys Leu Gly Asn Met Asn Asn Phe Glu Thr Leu Glu
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 Glu Cys Lys Asn Ile Cys Glu Asp Gly Pro Asn Gly Phe Gln Val Asp
 20 25 30
 Asn Tyr Gly Thr Gln Leu Asn Ala Val Asn Asn Ser Leu Thr Pro Gln
 35 40 45
 Ser Thr Lys Val
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<210> 32
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 <213> Homo sapiens

<400> 32
 Lys Val Pro Ser Leu Phe Glu Phe His Gly Pro Ser Trp Cys Leu Thr
 1 5 10 15
 Pro Ala Asp Arg Gly
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<210> 33
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 33
 Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln
 1 5 10

<210> 34
 <211> 21
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<220>
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 <222> (1)...(21)
 <223> Xaa = norvaline

<400> 34
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 1 5 10 15
 Pro Gly Ile Cys Arg
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<210> 35
 <211> 21
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 <213> Homo sapiens

<220>
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 <222> (1)...(21)
 <223> Xaa = norvaline

<400> 35
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 1 5 10 15
 Pro Gly Ile Cys Arg
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<210> 36
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 36
 Thr Thr Leu Gln Gln Glu Lys Pro Asp Phe Cys Phe Leu Glu Glu Asp
 1 5 10 15
 Pro Gly Ile Cys Arg
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<210> 37
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
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 <222> (1)...(19)
 <223> Xaa = norvaline

<400> 37
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 1 5 10 15
 Ala Asp Arg

<210> 38
 <211> 19
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<220>
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 <222> (1)...(19)
 <223> Xaa = norvaline

<400> 38
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 1 5 10 15
 Ala Asp Arg

<210> 39
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 39
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 1 5 10 15
 Ala Asp Arg

<210> 40
 <211> 18
 <212> PRT
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<400> 40
 Asp Thr Glu Leu Pro Pro Leu Lys Leu Met His Ser Phe Cys Ala Phe
 1 5 10 15
 Lys Ala

<210> 41
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 41
 Phe Glu Ser Leu Glu Glu Cys Lys Lys Met Cys Thr Arg
 1 5 10

<210> 42
 <211> 30
 <212> DNA
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<400> 42
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<210> 43
 <211> 1118
 <212> DNA
 <213> Homo sapiens

<400> 43

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tatagggaga	ccacaacggt	ttccctctag	aaataatttt	gtttaacttt	aagaaggaga	180
tatatccatg	gctgattctg	aagaagatga	agaacatact	attatcactg	atactgaact	240
gccaccgctg	aaactgatgc	attcattttg	tgcatccaag	gcggacgacg	gcccgtgcaa	300
agccatcatg	aagcgcttct	tcttcaacat	cttcactcgt	cagtgcgaag	aatttatata	360
tgggggatgt	gaaggaaatc	agaatcgatt	tgagtccttc	gaagaatgca	agaagatgtg	420
caccgcgcac	aacgcaaaaca	ggattataaa	gacaacattg	caacaagaaa	agccagattt	480
ctgctttttg	gaagaagatc	ctggaatatg	tcgaggttat	attaccaggt	atTTTTataa	540
caatcagaca	aaacagtgtg	aacgtttcaa	gtatggtgga	tgctggggca	atatgaacaa	600
ttttgagaca	ctggaagaat	gcaagaacat	ttgtgaagat	ggtccgaatg	gtttccaggt	660
ggataattat	ggaaccagc	tcaatgctgt	gaataactcc	ctgactccgc	aatcaaccaa	720
ggttcccagc	ctttttgaat	ttcacgggtc	ctcatggtgt	ctcactccag	cagacagagg	780
attgtgtcgt	gccaatgaga	acagattcta	ctacaattca	gtcattggga	aatgccgccc	840
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gagggcatgt	aaaaaagggt	tcatccaaag	aatatcaaaa	ggaggcctaa	ttaaaaccaa	960
aagaaaaaga	aagaagcaga	gagtgaaaat	agcatatgaa	gaaatttttg	ttaaaaaatat	1020
gtaataaaag	cttatcgatg	ataagctgtc	aaacatgaga	attcgatatc	aacgcaacga	1080
cccagccgaa	gctgggtcgt	tgcgttgata	tcgaattc			1118

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<400> 44

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catgaagcgc	ttcttcttca	acatcttcac	tcgtcagtgc	gaagaattta	tatatggggg	180
atgtgaagga	aatcagaatc	gatttgagtc	cctcgaagaa	tgcaagaaga	tgtgcacccg	240
cgacaacgca	aacaggatta	taaagacaac	attgcaacaa	gaaaagccag	atttctgctt	300
tttggaagaa	gatcctggaa	tatgtcgagg	ttatattacc	aggtattttt	ataacaatca	360
gacaaaacag	tgtgaacggt	tcaagtatgg	tggatgcctg	ggcaatatga	acaattttga	420
gacactggaa	gaatgcaaga	acatttgtga	agatgggtccg	aatggtttcc	aggtggataa	480
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cagccttttt	gaatttcacg	gtccctcatg	gtgtctcact	ccagcagaca	gaggattgtg	600
tcgtgccaat	gagaacagat	tctactacaa	ttcagtcatt	gggaaatgcc	gcccatttaa	660
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atgtaaaaaa	ggtttcatcc	aaagaatatc	aaaaggaggc	ctaattaaaa	ccaaaagaaa	780
aagaaagaag	cagagagtga	aaatagcata	tgaagaaatt	tttgttaaaa	atat	834